Rau 18-14-64

COUNTY COLUMBIA
FIELD MIST
LOCATION 14-6N-4W
WELL RAU NO. 18-14
COMPANY AMERICAN QUASAR

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COMPANY AMERICAN QUASAR PETROLUEM COMPANY

WELL RAU NO. 18-14

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

RECEIVED-PTLD
NOV 17 1980
DEPT OF GEOLOGY
& MIN[illegible]

LOCATION
900'NORTH & 1099.41'EAST OF
THE SOUTHWEST CORNER OF:

API SERIAL NO.	SEC.	TWP	RANGE
	14	6N	4W

Other Services:
DIL
FDC/CNL/GR
HDT

Permanent Datum: GL, Elev.: 583
Log Measured From KB 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 593.5
D.F. --
G.L. 583.0

Date	9-6-80			
Run No.	ONE			
Depth—Driller	2434			
Depth—Logger (Schl.)	2432			
Btm. Log Interval	2432			
Top Log Interval	515			
Casing—Driller	7" @ 515	@	@	@
Casing—Logger	515			
Bit Size	6¼"			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. | Visc.	9.9 | 46			
pH | Fluid Loss	11.3 | 5.8 ml	ml	ml	ml
Source of Sample	CIRCULATION			
Rm @ Meas. Temp.	1.96 @ 87°F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.07 @ 77°F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.10 @ 78°F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	1.96 @ 87°F	@ °F	@ °F	@ °F
TIME Circulation Stopped	1100			
TIME Logger on Bottom	2030			
Max. Rec. Temp.	87°F	°F	°F	°F
Equip. | Location	8126 | SAC			
Recorded By	ANDERSEN			
Witnessed By	SMITH			

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

Run No.	ONE			
Service Order No.	123138			
Fluid Level	FULL			

EQUIPMENT DATA

Sonic Panel No.	443			
Sonic Cart No.	-			
Sonic Sonde No.	-			
Mem. Panel No.	-			
G.R. Cart. No.	366			
G.R. Panel No.	418			
Caliper No.	-			
TTR No.	-			
Centralizers: No.	-			
Type	-			
Standoffs: No.	-			
Type	-			
Time Const.-Sec.	-			
Speed - F.P.M.	-			

CALIBRATION DATA

GR	BKG. CPS	-			
	Source CPS	-			
	Tc Sec	-			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selectors				Depth	
Δtm	Δtf	Cp	Ø Scale	From	To

REMARKS

$$\text{Velocity (ft/sec)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

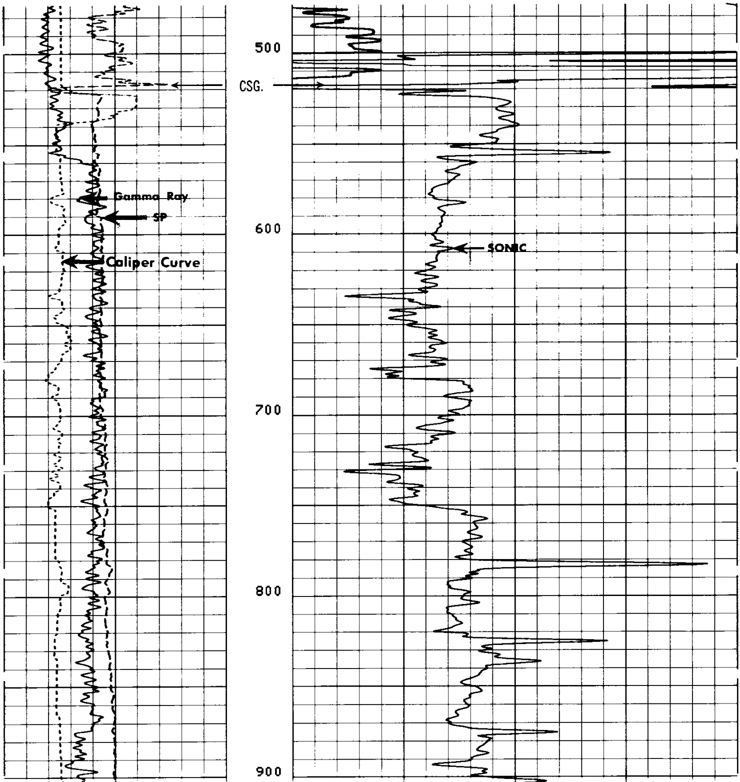
PARAMETERS

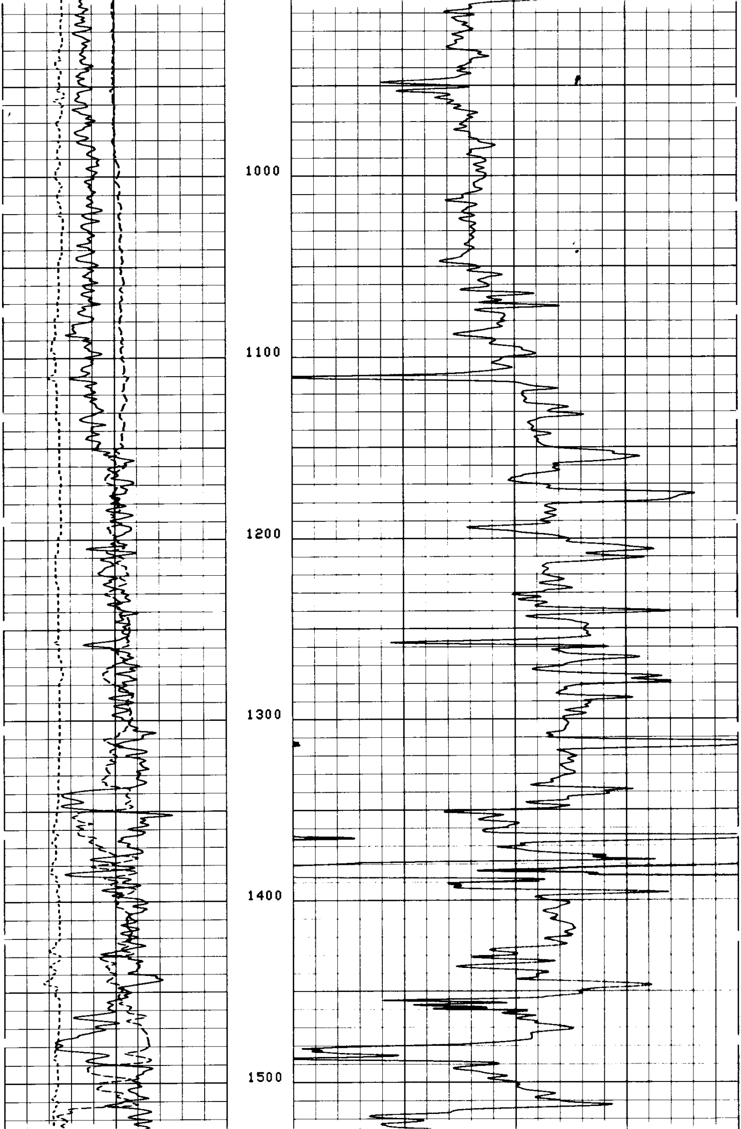
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
DTM	US/F	56.00	CDTS		100.0	BS	INCH	6.250
FPHI		PHIX	DTF	US/F	189.0			
DO		0.0	BHS		OPEN			

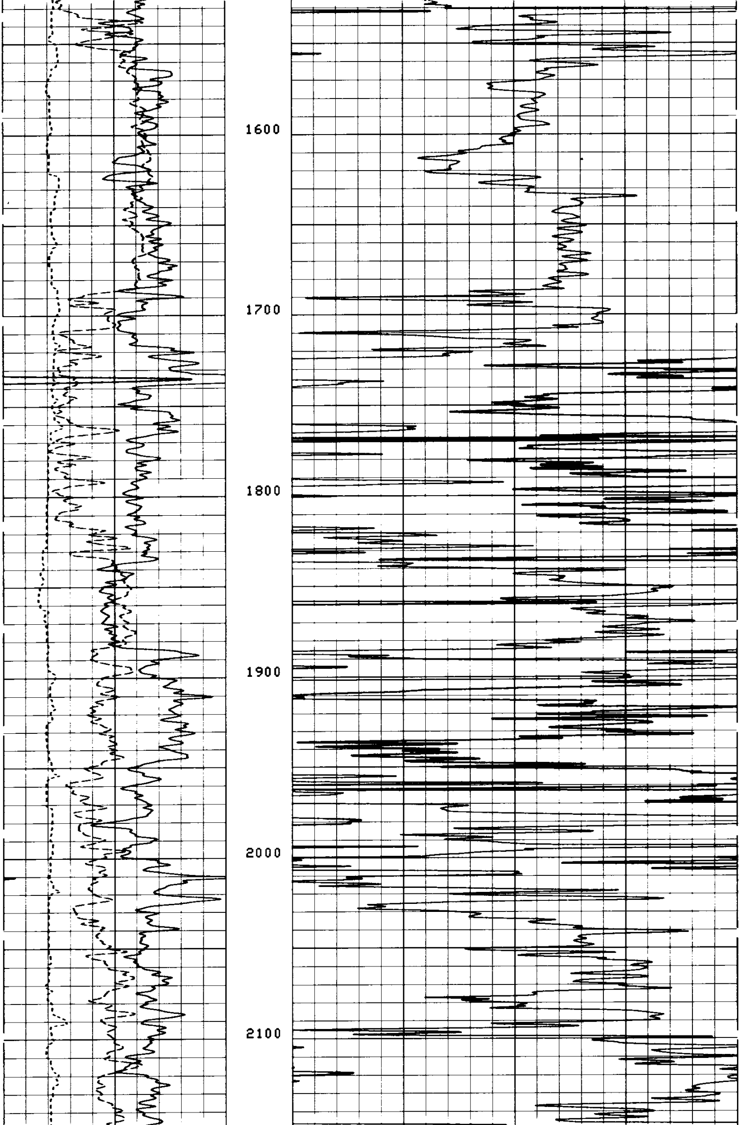
SP (MV)			DT (US/F)	
-100.0	0.0			
CALI(IN)				
4.000	14.00			
GR (GAPI)				
0.0	150.0		175.0	75.00

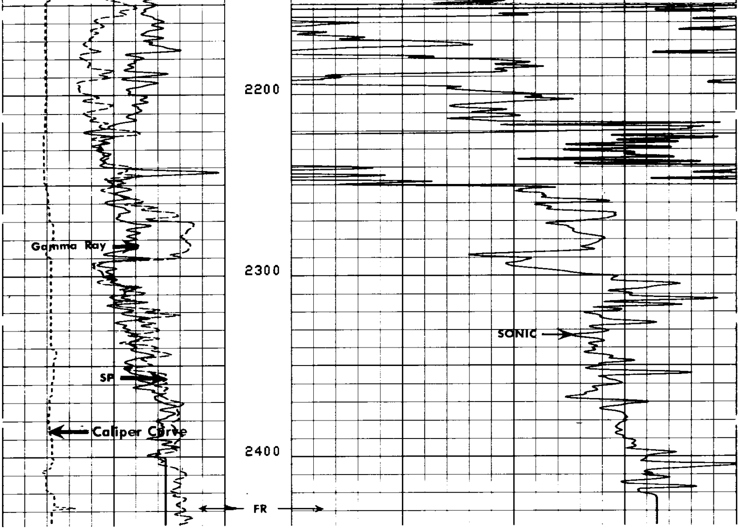
FILE

3









FILE

3

SP (MV)		
-100.0 0.0		
CALI(IN)		
4.000 14.00		
GR (GAPI)		DT (US/F)
0.0 150.0		175.0 75.00

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
DTM	US/F	56.00	CDTS		100.0	BS	INCH	6.250
FPHI		PHIX	DTF	US/F	189.0			
DO		0.0	BHS		OPEN			

PARAMETERS

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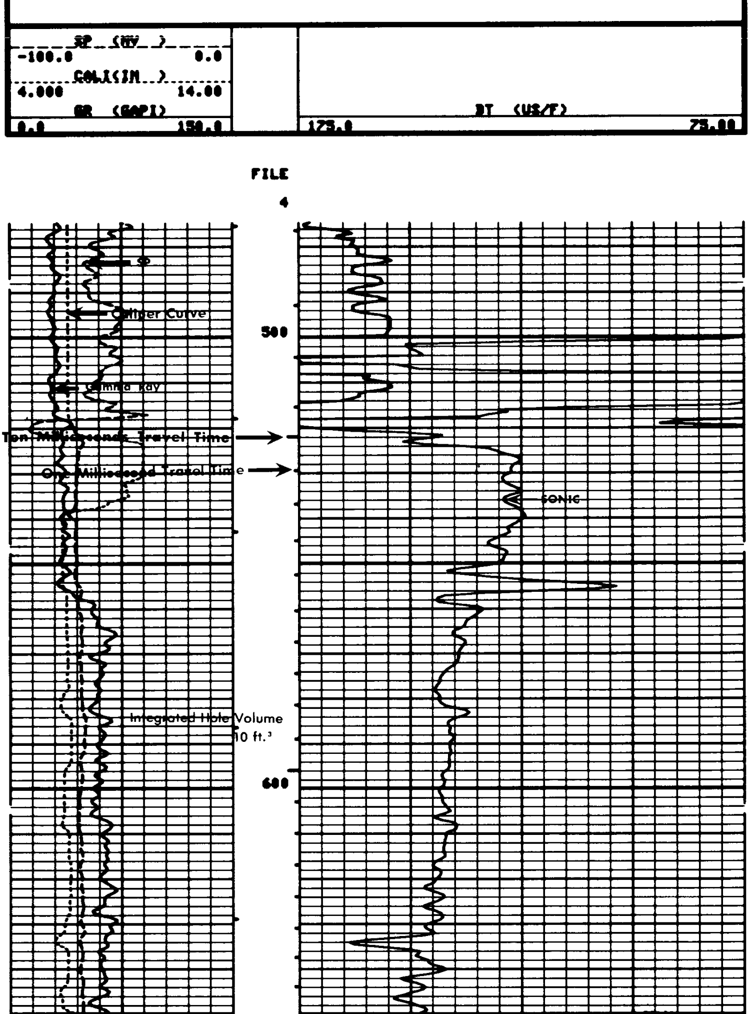
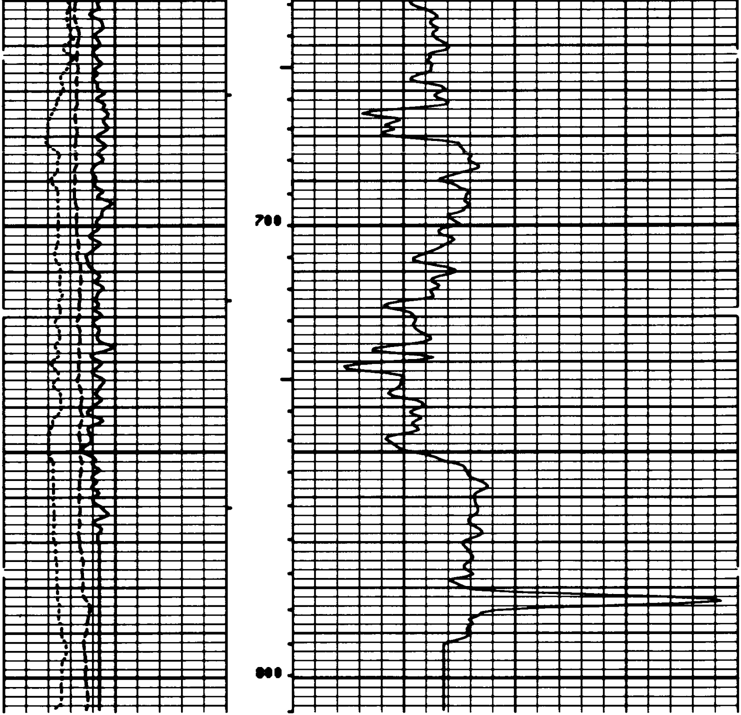
FPHI		PHIX	DTF	US/F	189.0			
DO		0.0	BHS		OPEN			





FILE
4

SP (MV)
-100.0 0.0
CALI(IN)
4.000 14.00
GR (GAPI)
0.0 150.0

DT (US/F)
175.0 75.00

PARAMETERS

NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
DTM	US/F	56.00	CDTS		100.0	BS	INCH	6.250
FPHI		PHIX	DTF	US/F	189.0			
DO		0.0	BHS		OPEN			

PARAMETERS

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DTM	US/F	56.00	CDTS		100.0	BS	INCH	6.250
FPHI		PHIX	DTF	US/F	189.0			
DO		0.0	DHS		OPEN			

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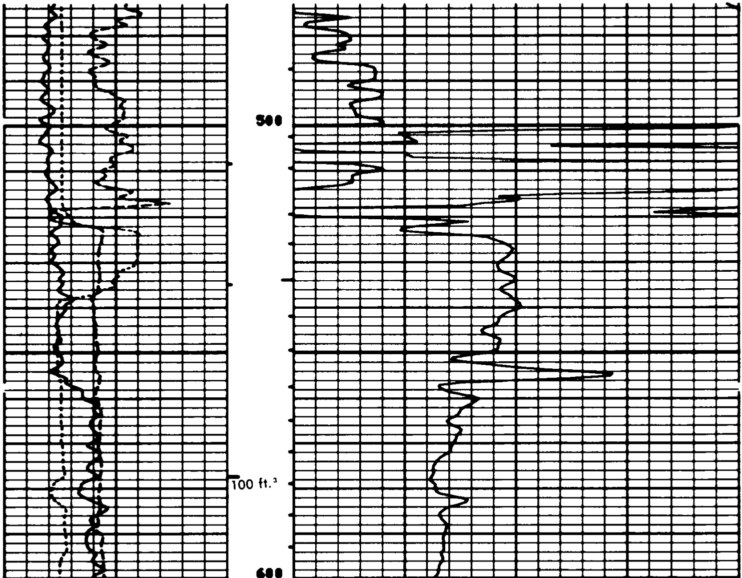
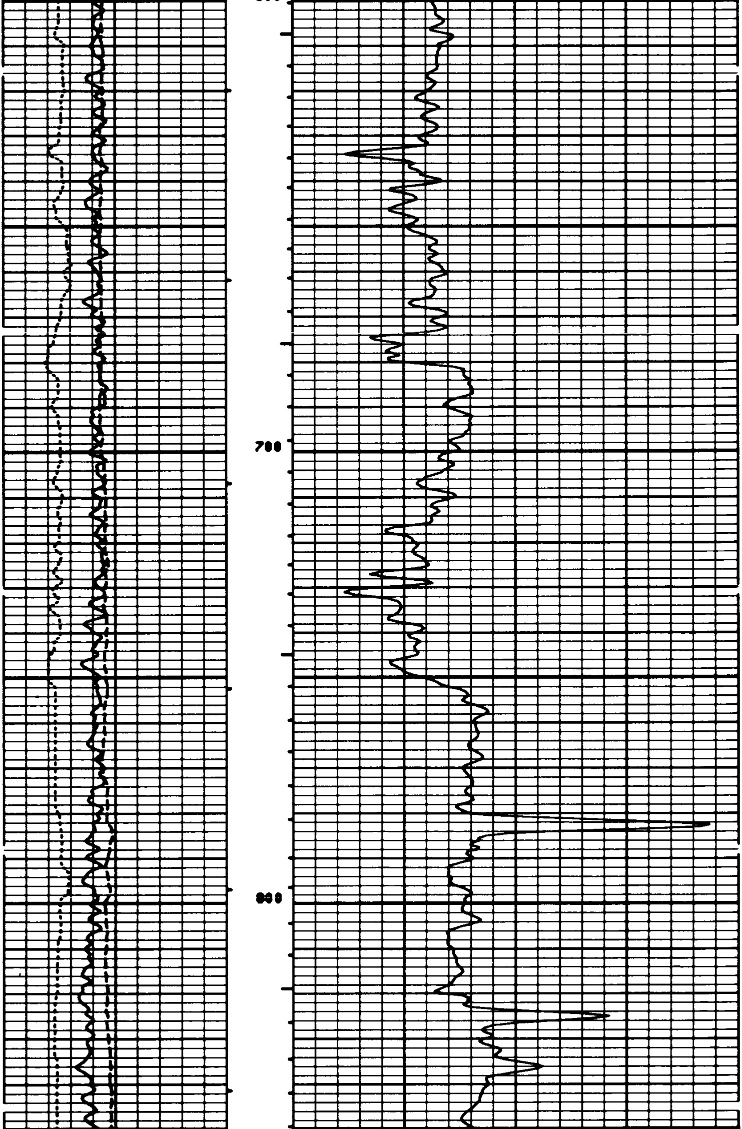
CALI(IN)
4.000 14.00
GR (GAPI)
0.0 150.0

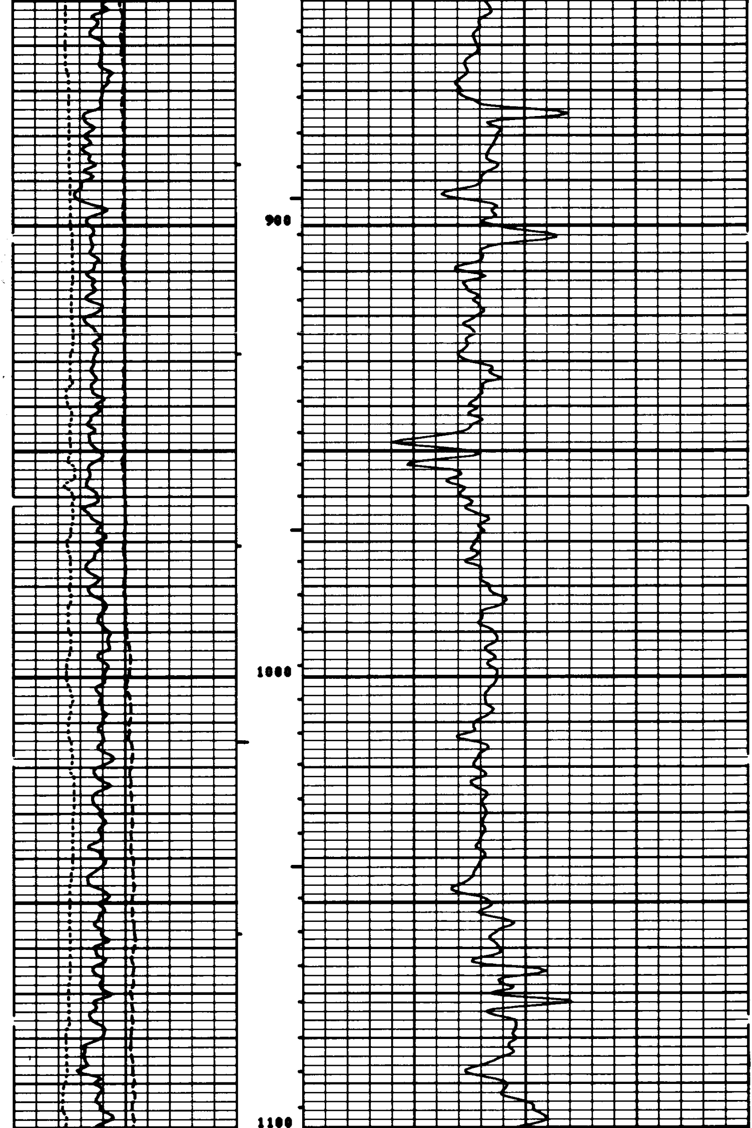
DT (US/F)
175.0 75.00

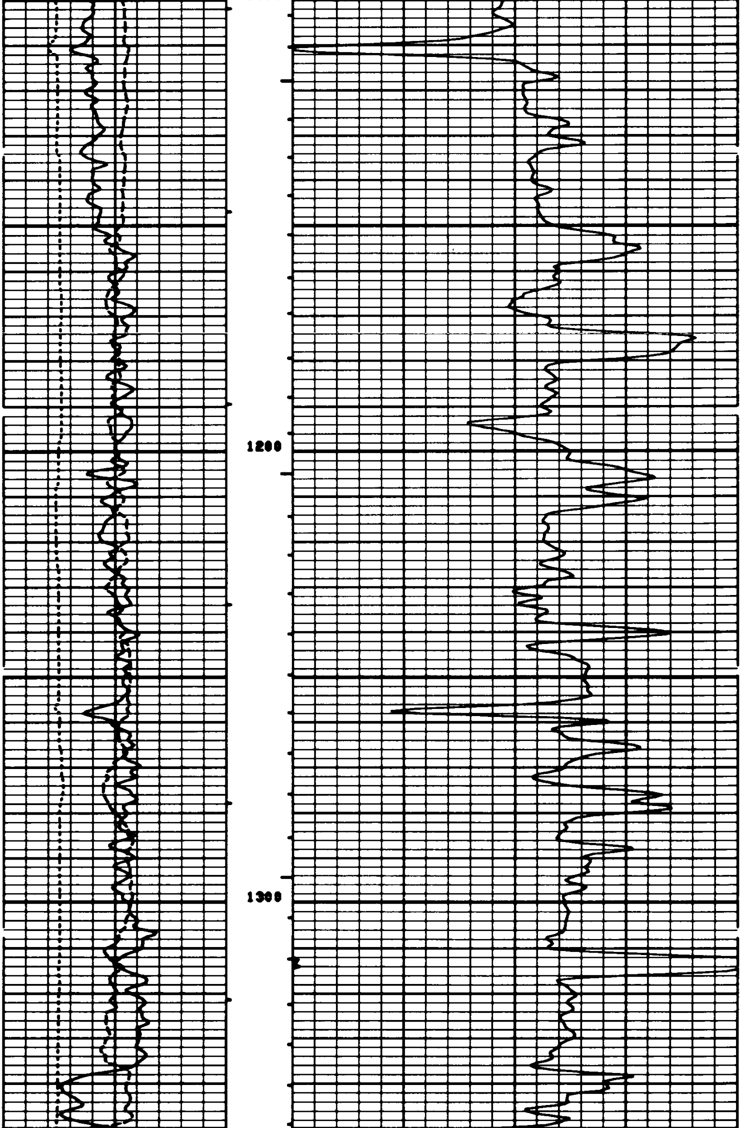
FILE

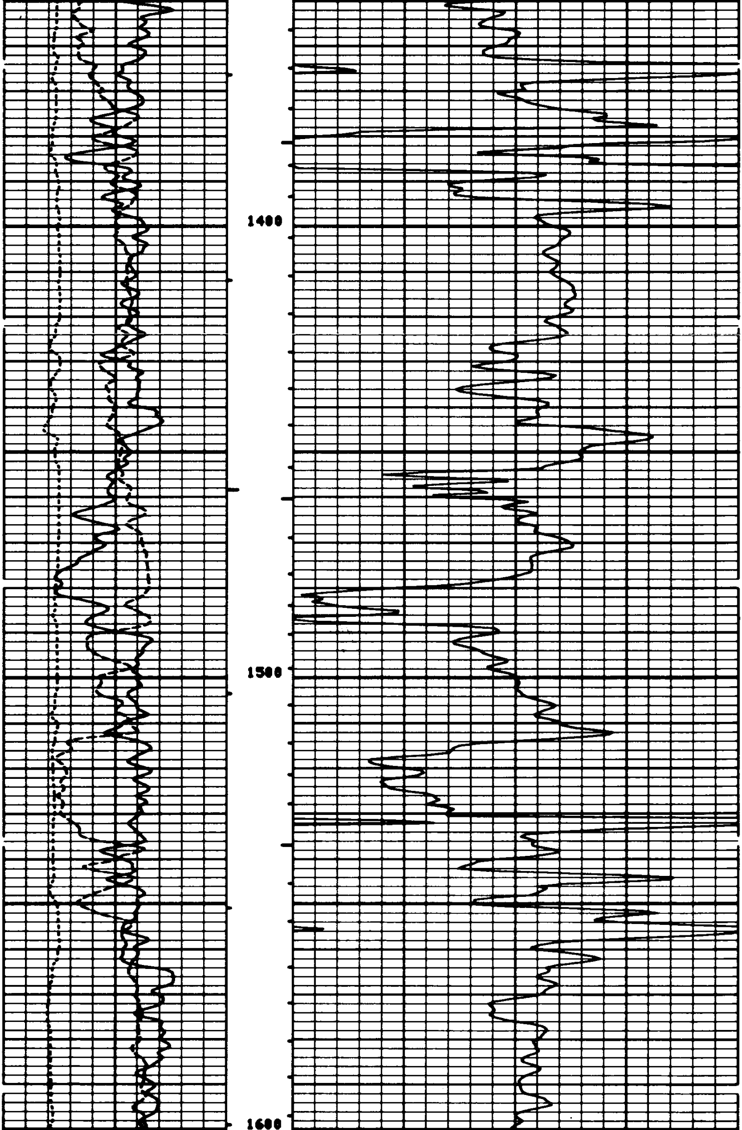
3

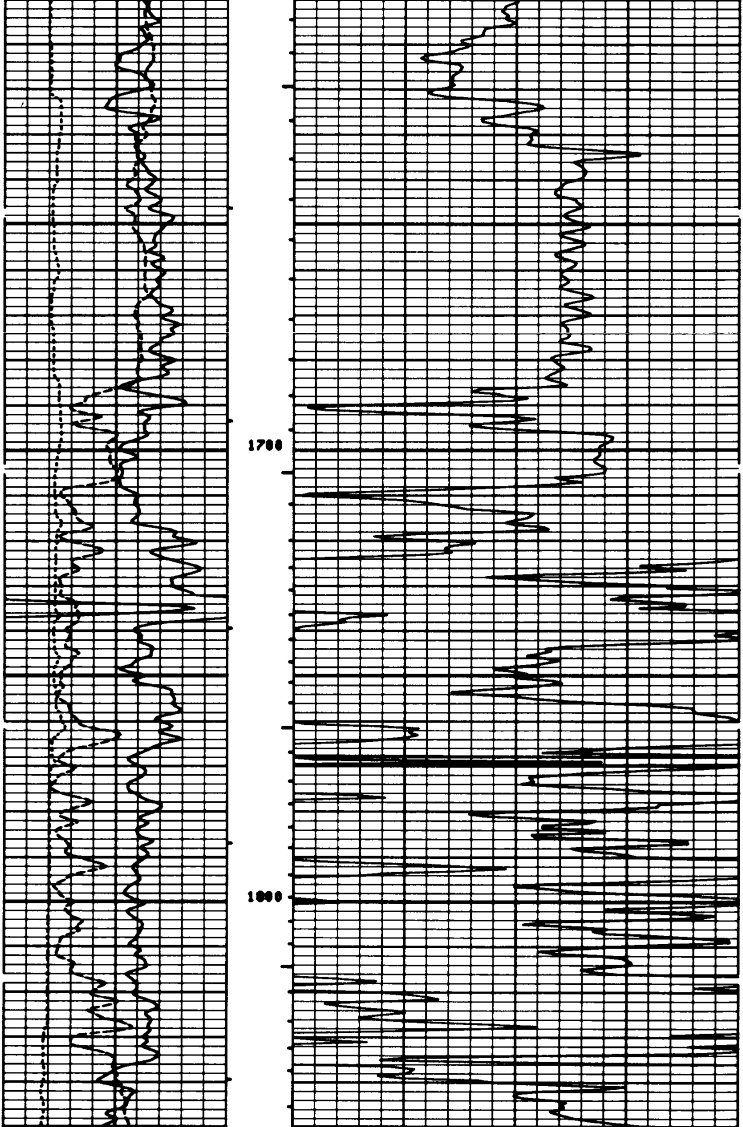


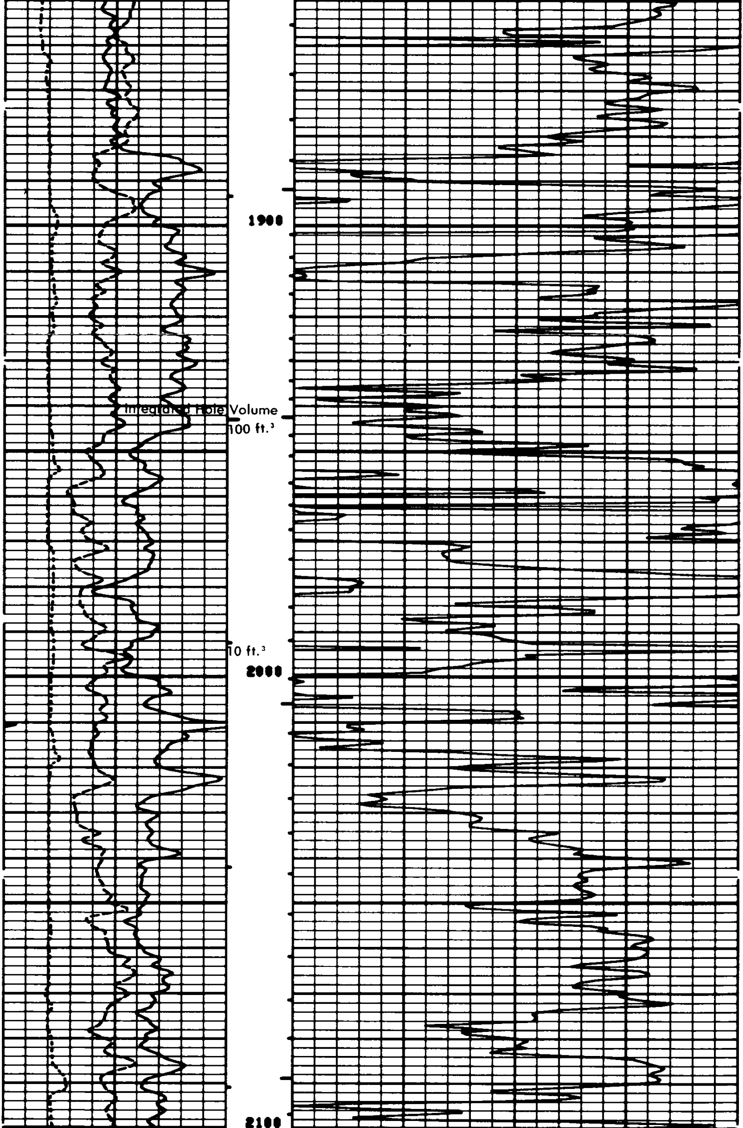


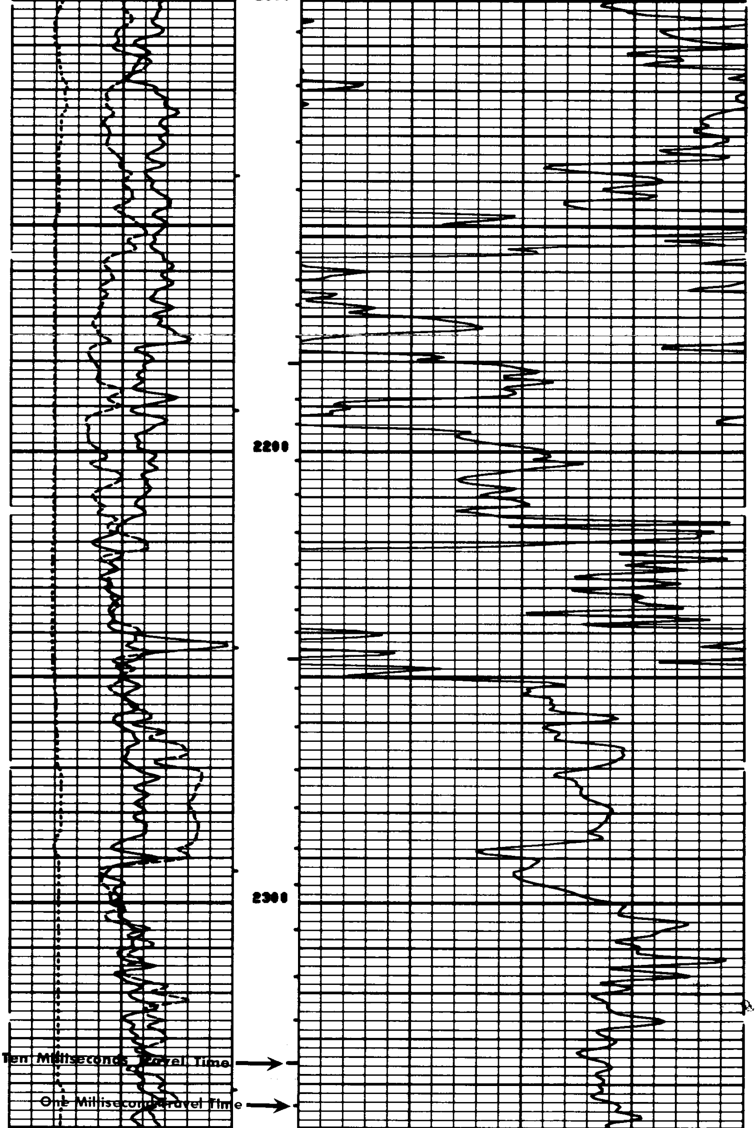


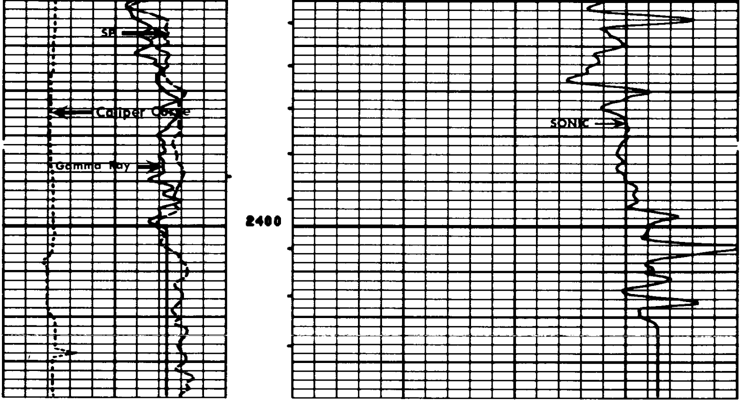












FILE

3

SP (MV)			DT (US/F)	
-100.0	0.0			
CALI(IN)				
4.000	14.00			
GR (GAPI)				
0.0	150.0		175.0	75.00

PARAMETERS

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DTM	US/F	56.00	CBTS		100.0	BS	INCH	6.250
FPHI		PHIX	DTF	US/F	189.0			
DO		0.0	DHS		OPEN			

CALIBRATION RECORD

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL RAU NO. 18-14

FIELD MIST

COUNTY COLUMBIA STATE OREGON

SCHL. FR 2432
SCHL. TD 2432
DRLR TD 2434

Elev: KB 593.5
DF --
GL 583.0